

ABSTRACT

**METHOD FOR MANUFACTURING AN AMMONIUM PHOSPHATE FERTILIZER
HAVING LOW CADMIUM CONTENT**

The invention relates to a method for manufacturing an ammonium phosphate fertilizer from a phosphoric acid aqueous solution that has less than 50% P_2O_5 concentration and is obtained by wet phosphate ore treatment, said phosphoric acid containing traces of cadmium, comprising the following steps:

- (a) neutralizing said phosphoric acid solution (1) with ammonia (3) up to a molar ratio N/P of between 0.1 and 0.8,
- (b) reacting said partially neutralized solution (4) with a sulfide source (6) so as to form a cadmium sulfide precipitate (9),
- (c) separating said precipitate (9) so as to obtain a refined ammoniated phosphoric acid solution (10),
- (d) ammoniating and granulating said refined solution (10) so as to form said fertilizer (12).

No figure